

Waheed Mukhtiar

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Career Objectives:

I am a Medical Equipment Engineer with years of experience in managing installation, repair, and preventive maintenance of advanced medical devices, aiming to contribute technical expertise and problem-solving skills to enhance the reliability and efficiency of hospital equipment.

I am a Committed Medical Equipment Engineer seeking to join a dynamic healthcare team to ensure the safe operation and compliance of critical medical technologies through expert maintenance, staff training, and adherence to safety protocols.

Qualification:

- **Bachelor of Technology (Honours) in Electrical: (4.0/4.0 GPA) (2013-2015)**
Preston University Kohat Pakistan
UK Comparability from NARIC (ENIC):
(RQF Level 6/ SCQF Level 9/ CQFW Level 6/)
Bachelor (Ordinary) Degree.
- **Bachelor of Technology (Pass) in Electrical: (3.6/4.0 GPA) (2011-2013)**
Preston University Kohat Pakistan
UK Comparability from NARIC (ENIC):
(RQF Level 3/ SCQF Level 6-7/ CQFW Level 3/)
Overall Standard of GCE Advanced (A) Level/Scottish Advanced Higher/Scottish Baccalaureate/Advanced Welsh Baccalaureate.
- **Diploma of Associate Engineer in Electrical: (Second Division) (1996-1999)**
N.W.F.P Board of Technical Education Peshawar Pakistan
UK Comparability from NARIC (ENIC):
Between BTEC First and BTEC National Qualifications/SQA National Certificate at SCQF Level 5 and 6/SQA National Progression Award at SCQF at Level 5 and 6.
- **Diploma in Information Technology: (First Division) (2010)**
Board of Technical Education Peshawar Pakistan
UK Comparability from NARIC (ENIC):
(RQF Level 2/BTEC First/ SQA National Certificate at SCQF Level 5/ SQA National Progression Award at SCQF Level 5).
- **Diploma in Electronics: (First Division) (2007)**
Technical Training Board Peshawar Pakistan
- **Secondary School Certificate in Science: (Second Division) (1995)**
Board of Intermediate and Secondary Education Abbottabad Pakistan

Experiences:

- **Senior Medical Equipment Engineer:**
Guys and St Thomas Hospital London: From: 17/09/2022- till date.

As a Medical Equipment Engineer is responsible for the installation, maintenance, calibration, and repair of medical devices and equipment used in the Guys and St Thomas Hospital London.

Key Responsibilities:

Install, test, and commission of medical equipment according to manufacturer specifications and hospital requirements.

Perform routine and preventive maintenance on medical devices to ensure operational efficiency and longevity.

Diagnose and troubleshoot equipment malfunctions, performing repairs, calibration or coordinating with external service providers as needed.

Maintain accurate service records and documentation for all equipment maintenance and repairs.

Ensure compliance with relevant safety standards, regulations, and hospital policies.

Collaborate with clinical staff and management to provide technical support and training on equipment use and safety.

Assist in the evaluation and procurement of new medical technologies.

Stay updated with advances in medical technology and recommend upgrades or replacements.

- **Engineering Technician: (City and Islington College Engineering Department)**
From: 04/01/2022 to 14/10/2022.

As a Engineering Technician supports the engineering faculty and students by maintaining, setting up, and operating laboratory equipment and facilities to ensures that teaching and research activities run smoothly by providing technical assistance, equipment maintenance, and safety compliance within the college's engineering labs.

Key Responsibilities:

Prepare, set up, and operate laboratory equipment and instruments for engineering experiments and practical classes.

Assist faculty and students during laboratory sessions, ensuring proper use of equipment and adherence to safety protocols.

Perform routine maintenance, calibration, and troubleshooting of laboratory instruments and tools.

Manage inventory of lab supplies, equipment, and materials, coordinating orders and repairs as necessary.

Ensure all laboratory activities comply with safety regulations and institutional policies.

Support the development and improvement of lab setups and experimental procedures.

Maintain detailed records of equipment usage, maintenance, and repairs.

Provide technical guidance and training to students and staff on equipment operation and safety.

Collaborate with faculty on research projects requiring technical support or specialized equipment setup.

- **Sub-Engineer at High Power Transmitter-III Peshawar Pakistan. (07/2005 - 04/2019)**

As a High Power Transmitter Engineer was responsible for the operation, maintenance, and troubleshooting of high-power radio frequency (RF) transmitters and related broadcast equipment to ensures reliable transmission of signals for radio networks, optimizing performance and complying with technical and regulatory standards.

Key Responsibilities:

Design, install, configure, and maintain high power RF transmitters and ancillary equipment. Monitor transmitter performance, conduct routine inspections, and perform preventive maintenance to minimize downtime.

Diagnose and troubleshoot faults in transmitter systems, RF amplifiers, antennas, and associated infrastructure.

Calibrate and optimize transmitter parameters to ensure signal quality and regulatory compliance.

Coordinate with broadcast engineers, vendors, and service providers for repairs, upgrades, and system enhancements.

Maintain detailed technical documentation, service logs, and compliance reports.

Ensure safety protocols are followed during installation and maintenance activities, especially concerning high voltage and RF exposure.

Stay current with technological advancements in RF transmission and broadcasting equipment.

Provide technical support and training to junior engineers and technicians.

- **Electrical/Electronic Instructor : (2012 to 2019)**

Work as Electrical and Electronic Instructor/ Laboratory Incharge at Azan Polytechnic Institute Pabbi Nowshera Pakistan.

Taught Principle of Electrical Engineering, Basic Electronics, Digital Electronics, Power Electronics, Electrical Installation in theory and in Shop.

Involved in the maintenance, Normal operation of the Institute Electrical, Electronics and Computer Lab (OS, Software Installation and Hardware).

To supervise the Students while carrying out different Practicals in Electrical and Electronics Lab.

To arrange Electrical/Electronics Equipment for Practical.

Certificate:

- EAL Requirements of Electrical Installation BS7671-18.
- City & Guilds 2377-77 Level 3 Award In – Service Inspection and Testing of Electrical Equipment (PAT).

Affiliation:

- Affiliated with National Technology Council Pakistan as “Graduate Engineering Technologist”.
Under Registration No .Eng.Tech/Electrical/00048

Knowledge and skills:

Electrical and Electronic and medical equipment Engineering.

Zoll, Defibrillator,

Bbraun ,Fresenius and other syringe and infusion Pumps,

Philips Monitors and Modules.

SL18 Spacelab ECG,

Hamilton T1,C1 Ventilators,

Electrosurgical unit (BOWA) and FD10,

VS9, VS900, Mindray and all other NIBP monitors,

Troubleshooting and support for various biomedical devices across hospital departments (ICU, OT, Emergency, Cath Labs and Wards)

References:

References will be furnished upon Request.